D-Link DPH-100M

IP Phone

Manual

Version 1.10

D-Link

Building Networks for People

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Package Contents

Contents of Package:

- **D-Link DPH-100M IP Phone**
- Handset
- Handset cord
- Power adapter (12V DC at 1A)

If any of the above items are missing, please contact your reseller.

Operation Requirements:

- Internet connection (via ISP)
- Local power outlet

Introduction

The DPH-100M is a fully featured IP telephone that allows both business and residential customers to benefit from IP telephony services. It reduces costs by providing access to local and long-distance voice and data services over a single network connection.

This easy-to-use IP phone plugs directly into a local area network (LAN) through a standard Ethernet jack. The IP phone utilizes 10/100-Mbps Ethernet for connectivity and supports a full range of telephone network features. In addition, it provides access to a host of features for business applications, including hold, mute, and speakerphone operation. The DPH-100M is equipped with a LCD panel for easy configuration and use.

Features and Benefits

Designed for versatility and performance, the DPH-100M IP Phone provides the following features:

- Operates as an Internet IP phone
- Compliant with MGCP 1.0 and NCS 1.0
- Compliant with H.323v2
- Connects directly to 10/100-Mbps Fast Ethernet ports
- DHCP (Dynamic Host Configuration Protocol) client or static IP addressing
- Large LCD panel (2 lines x 16 characters)
- Configurable through LCD-driven menu prompts
- Speakerphone function with automatic echo cancellation
- Supports QoS to ensure voice quality
- DTMF tone generation
- Remote software upgrade and support
- Visual status indicators
- Communication interface:

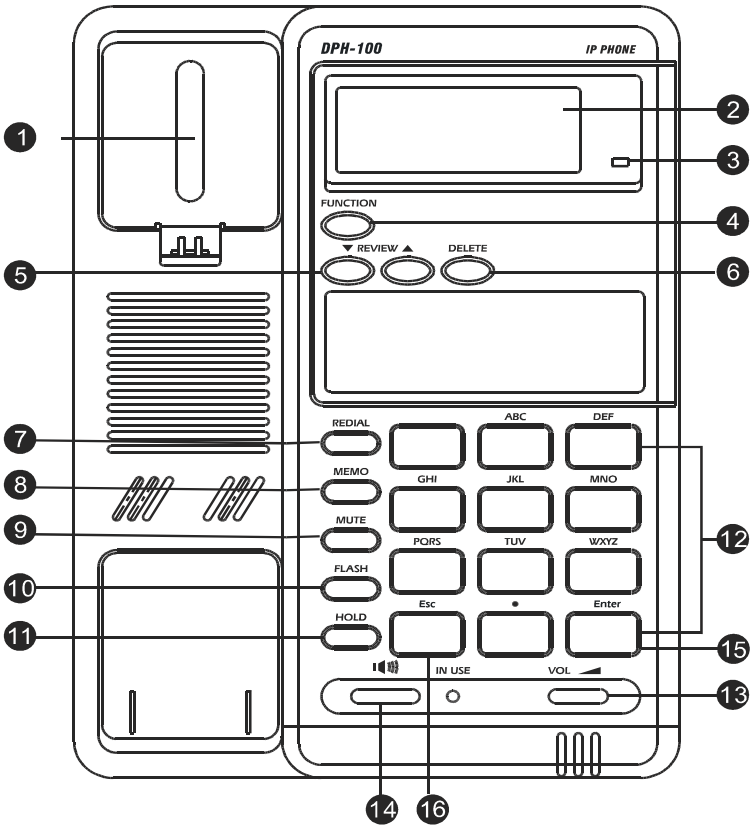
  LAN jack: RJ-45 for Ethernet (MDI-II)

  PC jack: RJ-45 for Ethernet (MDI-X)
- Communications protocols: TCIP/IP, UDP
- Voice compression: complies with 6.711 μ-law,G.711 A-law, G.723 and G.729
- User-adjustable volume control

Getting Started

Identifying External Components

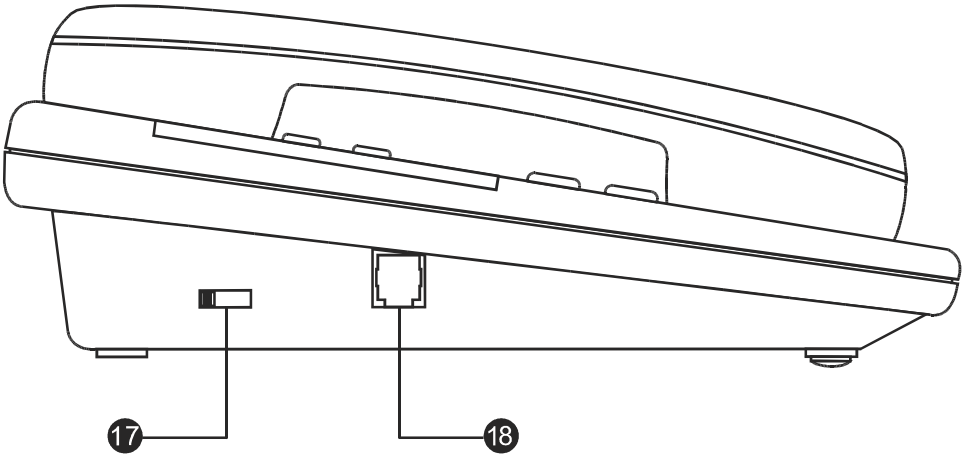
Parts of the Phone



1. **HOOK SWITCH:** Switches the phone off/on hook.
2. **LCD Screen:** Presents on-line messages and configuration settings.
3. **HOLD INDICATOR:** On when the HOLD function is in effect.
4. **FUNCTION:** Selects configuration menus.
5. **REVIEW UP/DOWN:** Move foward and backward through menu items; move the cursor up and down.
6. **DELETE:** Deletes the character to the left of the cursor.

7. **REDIAL:** Dials the last number you called.
8. **MEMO:** Shifts the state to editing the name and number of the Speed Dial and Address Book, or stores the configuration in non-volatile memory.
9. **MUTE:** Turns sound pickup off and on.
10. **FLASH:** Transfers the call or clears the input string.
11. **HOLD:** Turns sound transmission and reception off and on.
12. **DIAL PAD:** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, *, #.
13. **RING/SPEAKER VOLUME CONTROL:** Increases or decreases ring volume or speakerphone volume during a call.
14. **SPEAKER PHONE:** Enables/disables the speakerphone function.
15. **ENTER:** Confirms input or goes to the displayed submenu.
16. **ESC:** Cancels input or returns to the previous menu.

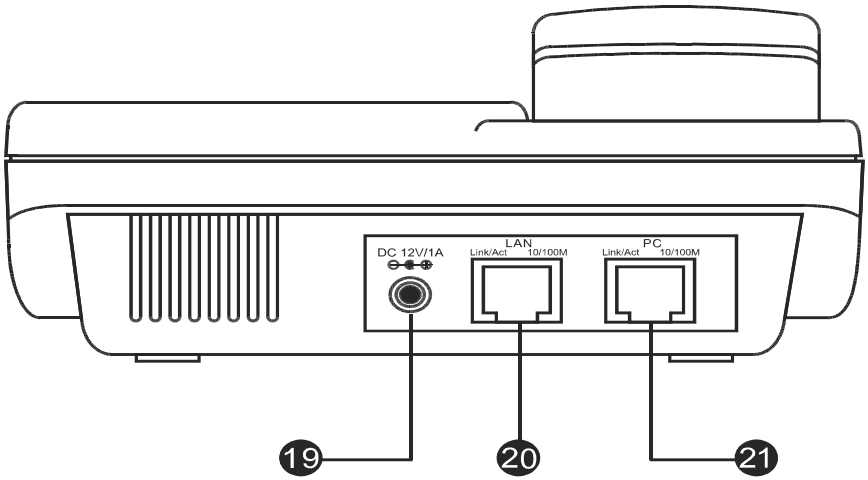
Handset Controls



17. **HANDSET VOLUME CONTROL:** Adjusts listening volume on a call to Low, Medium, or High (default setting is Medium).

18 **HANDSET CONNECTOR:** Connector for the handset cord.

Connectors



19 **POWER:** Power adapter receptor.

20 **LAN ETHERNET:** 10/100BASE-TX LAN to ITSP Internet connection.

21 **PC ETHERNET:** 10/100BASE-TX connection to PC.

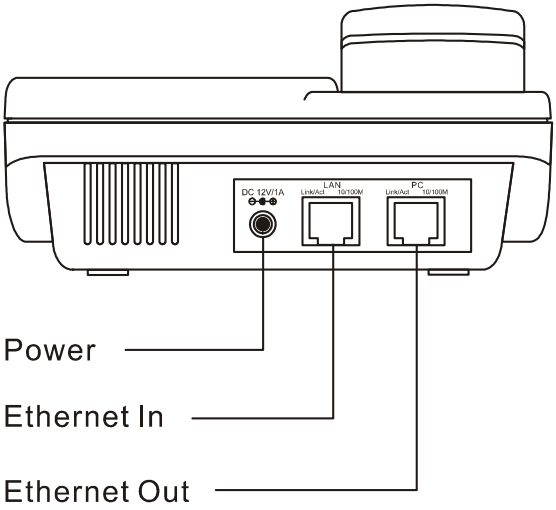
Installation

The following are steps to install and power on your DPH-100M IP Phone:

- Plug the RJ-45 Ethernet cable into the LAN jack.
- Plug the power adapter into the appropriate wall outlet.
- Plug the power adapter plug into the power jack (DC 12V/1A).

Getting Started
Installation

Installation Connections



LED Indicators

	Condition	Color	Timing
LAN Port LED	Link OK	Green	Steady
	Activity (Link in Use)	Green	Flashing
	Speed 10/100 Mbps	Green	ON: 100 Mpbs OFF: 10 Mbps
PC Port LED	Link OK	Green	Steady
	Activity (Link in Use)	Green	Flashing
	Speed 10/100 Mbps	Green	ON: 100 Mbps OFF: 10 Mbps

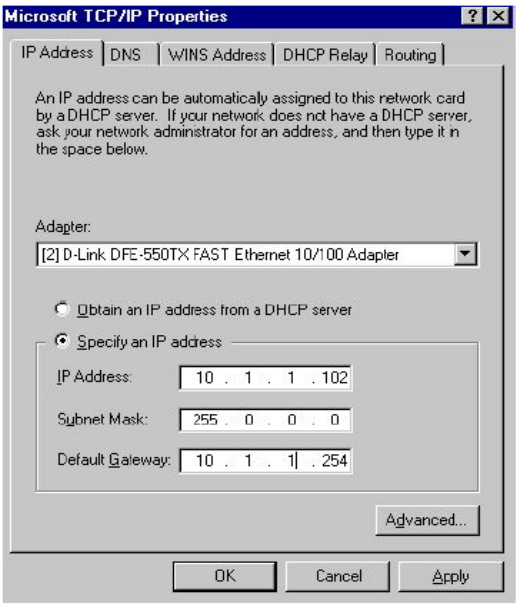
Configuration

Configuring the Phone Using a Web Browser

Setting up the Connection

In order to use a Web browser to configure the DPH-100M IP phone, you must make sure the phone has a valid Ethernet connection to a PC or LAN via its Ethernet port. We recommend using a recent version of any widely used browser. The browser must have JavaScript enabled.

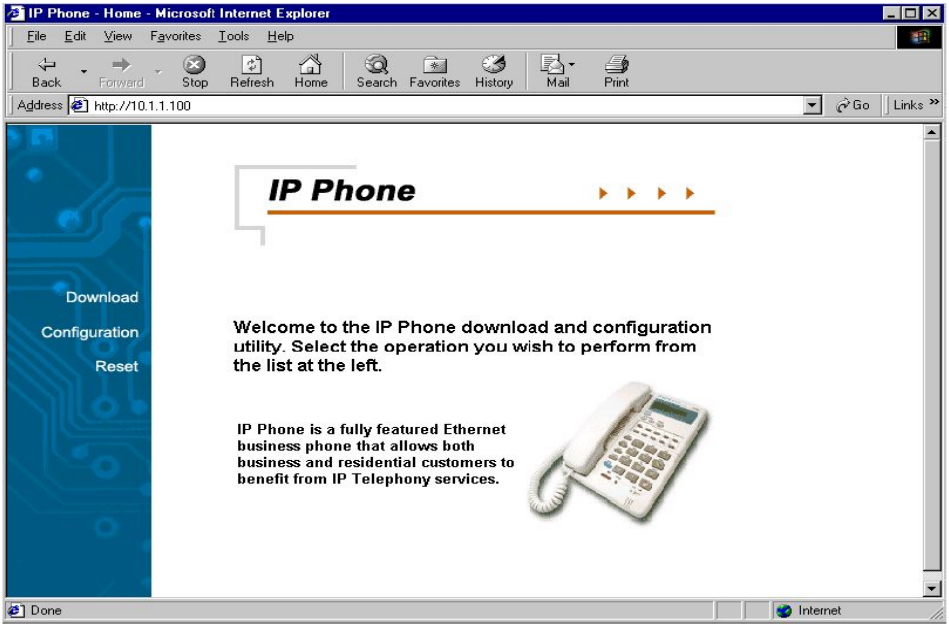
The phone comes with a default IP address of 10.1.1.100. You must make sure the computer is in the same IP domain as the IP phone. You can do this by changing the IP address of the computer as shown below.


Microsoft TCP/IP Properties
IP Address
DNS
WINS Address
DHCP Relay
Routing
An IP address can be automatically assigned to this network card by a DHCP server. If your network does not have a DHCP server, ask your network administrator for an address, and then type it in the space below.
Adapter:
[2] D-Link DFE-550TX FAST Ethernet 10/100 Adapter
Obtain an IP address from a DHCP server
Specify an IP address
IP Address: 10 . 1 . 1 . 102
Subnet Mask: 255 . 0 . 0 . 0
Default Gateway: 10 . 1 . 1 . 254
Advanced...
OK
Cancel
Apply

Once this is done, run any recent, JavaScript-enabled browser on the computer and point it to the default IP address of the phone as shown below:

Configuration

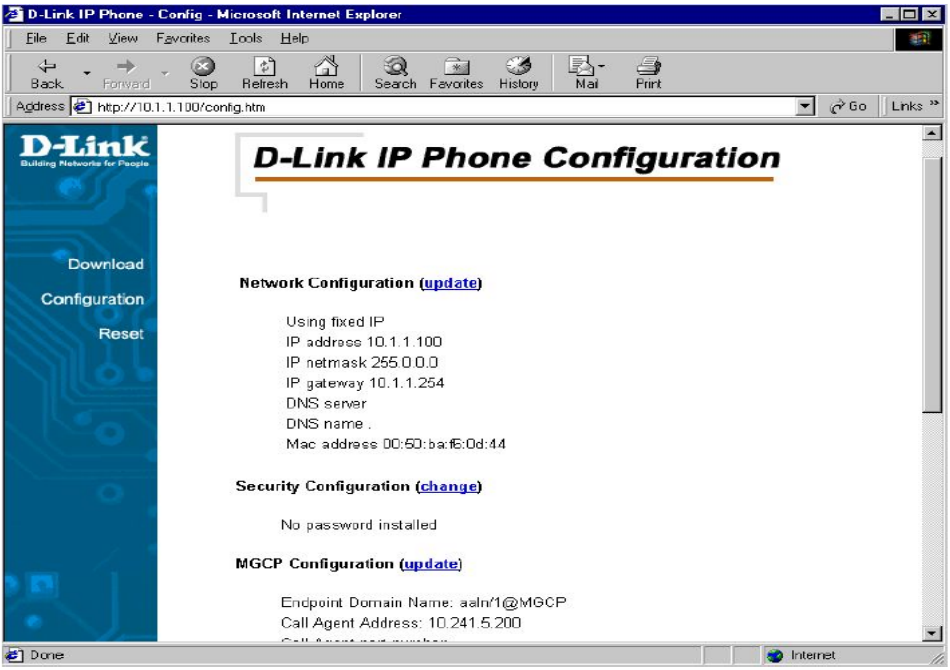
Configuring the Phone Using a Web Browser


IP Phone - Home - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Address http://10.1.1.100
Go Links
IP Phone
Download
Configuration
Reset
Welcome to the IP Phone download and configuration utility. Select the operation you wish to perform from the list at the left.
IP Phone is a fully featured Ethernet business phone that allows both business and residential customers to benefit from IP Telephony services.
Done
Internet

This is the main page of the phone's embedded Web-based configuration utility. This page shows you a welcome message and information about the phone for your reference. There are three choices for you on this page: Download, Configuration and Reset.

Configuration

Configuring the Phone Using a Web Browser

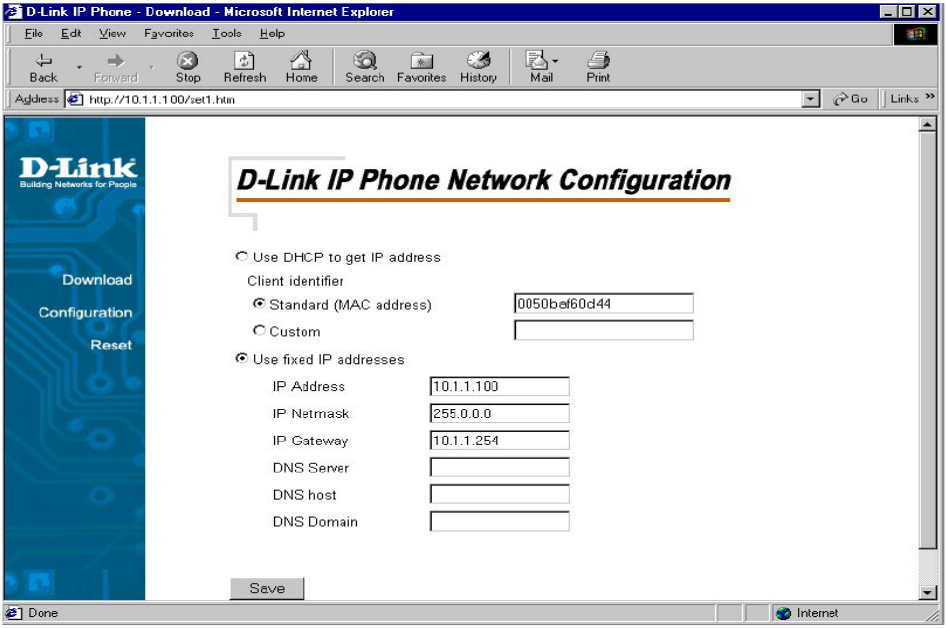


MGCP Configuration Page

On this page you can set *the network*, *security*, *MGCP, CODEC* and *clock configuration* settings according to your requirements. After completing configuration, you must choose the Save button to store the settings in the phone's memory, then reset the phone to activate the new configuration.

Configuration

Configuring the Phone Using a Web Browser



Network Configuration Page

This is the IP phone network configuration web page. On this page, you can set the network parameters according to your network environment. These include the DHCP option and fixed-IP address/subnet/gateway settings. After adjusting the settings, you must click the Save button to save your new configuration.

You can set the phone to get its IP address from a DHCP server or to use a fixed IP address.

- **Using DHCP to get an IP address:** When *DHCP* is chosen, the IP phone will attempt to obtain its IP settings from a DHCP server.
- **Using a fixed IP address:**

  IP Address: Enter a valid IP address for the phone.

  IP Netmask: Enter the correct subnet mask for the phone.

  IP Gateway: Enter an IP gateway for the phone.

  DNS Server: Enter a DNS server IP address.*

  DNS Host: Enter a DNS server host name.*

  DNS Domain: Enter a DNS server domain name.*

*This information is provided by your Internet Service Provider (ISP).

Configuration

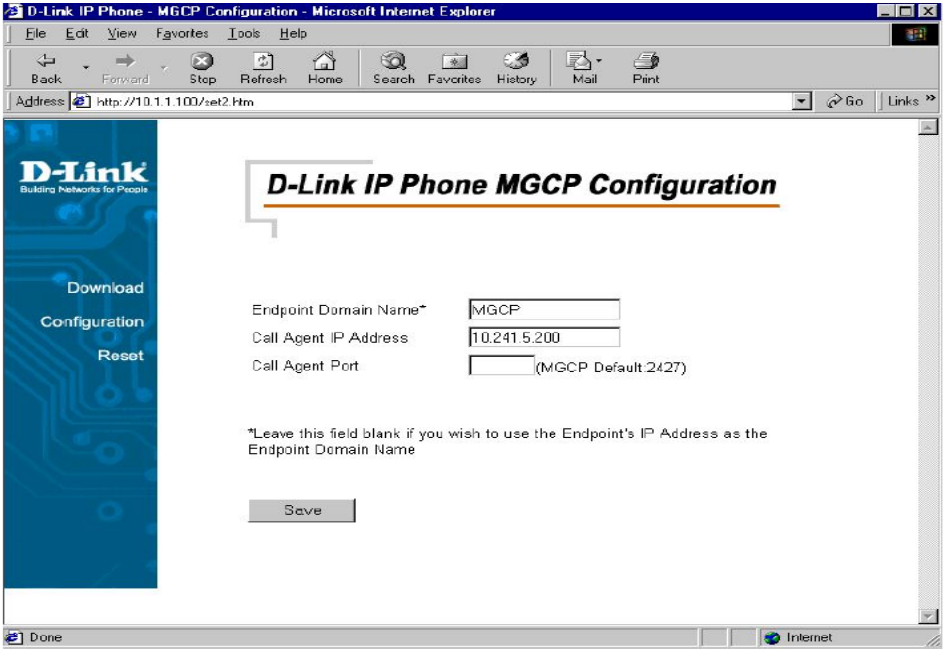
Configuring the Phone Using a Web Browser

Security Configuration Page

This is the IP phone's security password configuration page. It is recommended that you set a password to protect your IP phone's configuration from unwanted tampering by other users. After changing the setting, you must click the Save button to save your new configuration. The default password shows empty fields for "New password" and "Confirm new password".

Configuration

Configuring the Phone Using a Web Browser



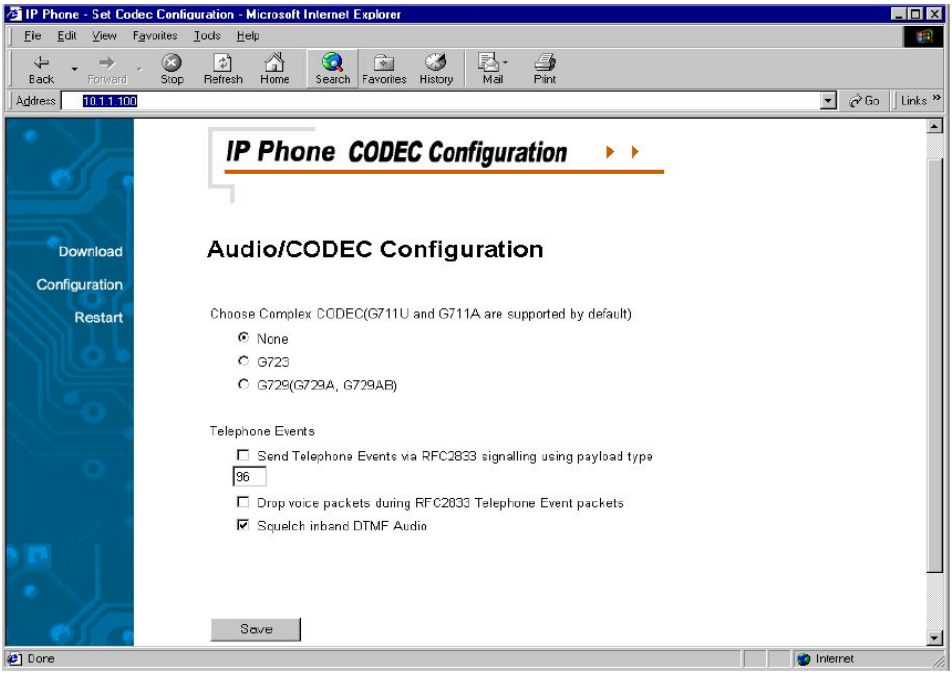
MGCP Parameter Configuration Page

This is the MGCP configuration page. You can set the endpoint domain name, call agent (i.e. the “Notify Entity”) IP address, and the call agent port (the default MGCP port number is 2427). After making any changes, you must click the Save button to save the new configuration.

- **Endpoint Domain Name:** This is the endpoint name your IP phone will be known as by the call agent (the default setting is “MGCP”)>
- **Call Agent IP Address:** Enter a Call Agent IP address for the IP phone. This IP address is the address of your VoIP Service Provider.
- **Call Agent port:** Enter the MGCP Call Agent service port (the default port number is 2427).

Configuration

Configuring the Phone Using a Web Browser



AUDIO/CODEC Configuration Page

This is the codec (compression/decompression) configuration page. You can select the voice codecs G.711 μ -law, G.711 A-law, G.723 and G.729 on this page. After configuration, click the Save button.

- Send Telephone Events via RFC2833 signaling using payload type

  Enable: Enable RFC2833 out of band DTMF
  Disable: Disable RFC2833 out of band DTMF

When this setting is enabled, the payload type will be used in RFC2833 event.

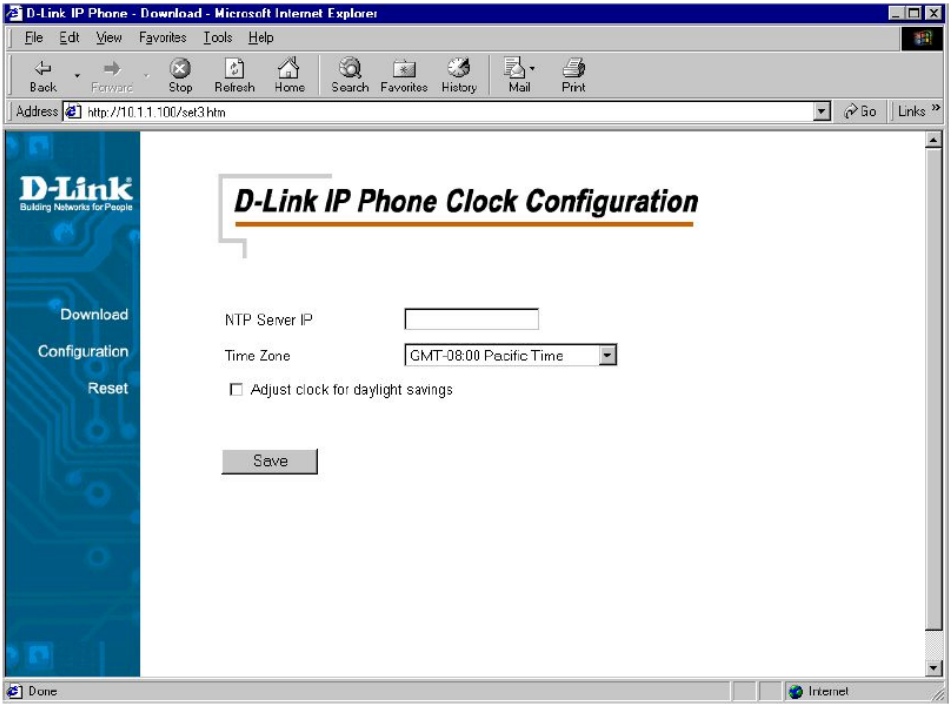
- Drop voice packets during RFC2833 Telephone Event packets

  Enable: Voice packets will not be transmitted when transmitting RFC2833 packets
  Disable: Voice packets will be transmitted when transmitting RFC2833 packets

- Squelch inband DTMF Audio

  Enable: Inband DTMF will not be transmitted
  Disable: Inband DTMF will be transmitted

Note: Please contact your VoIP Service Provider for detailed information.



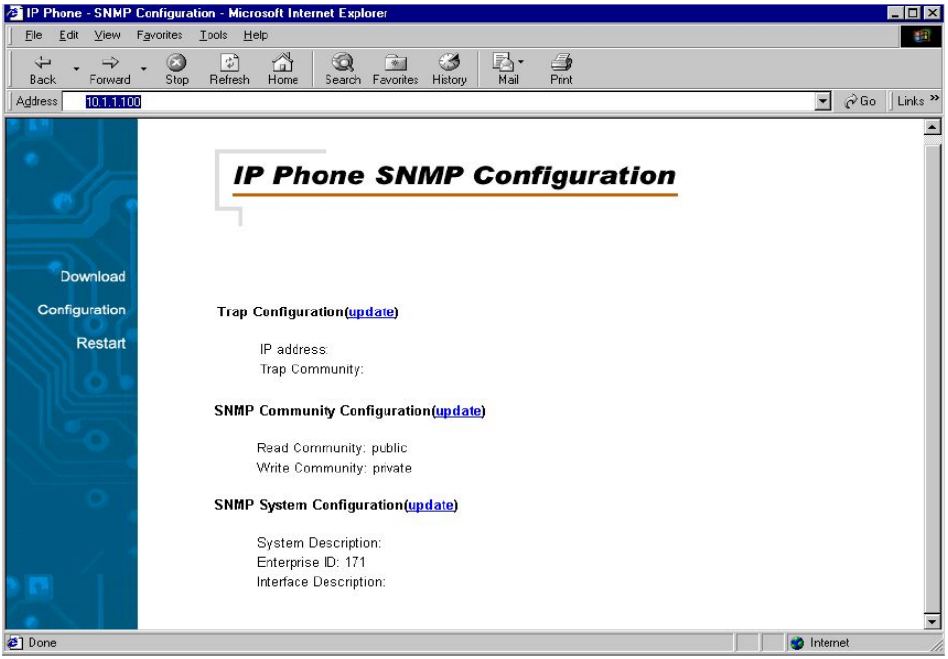
Clock Configuration Page

This is the clock configuration page. You can specify an NTP (Network Time Protocol) server, select the time zone of your region, and enable or disable adjustment for Daylight Savings Time to ensure that the phone displays the correct local time. After configuration, click the "**Save**" button.

- **NTP Server IP:** Enter the IP address of the NTP server for the phone. The NTP Server IP may be provided by your ISP.
- **Time Zone:** Select the appropriate time zone from the scrollable list.

Configuration

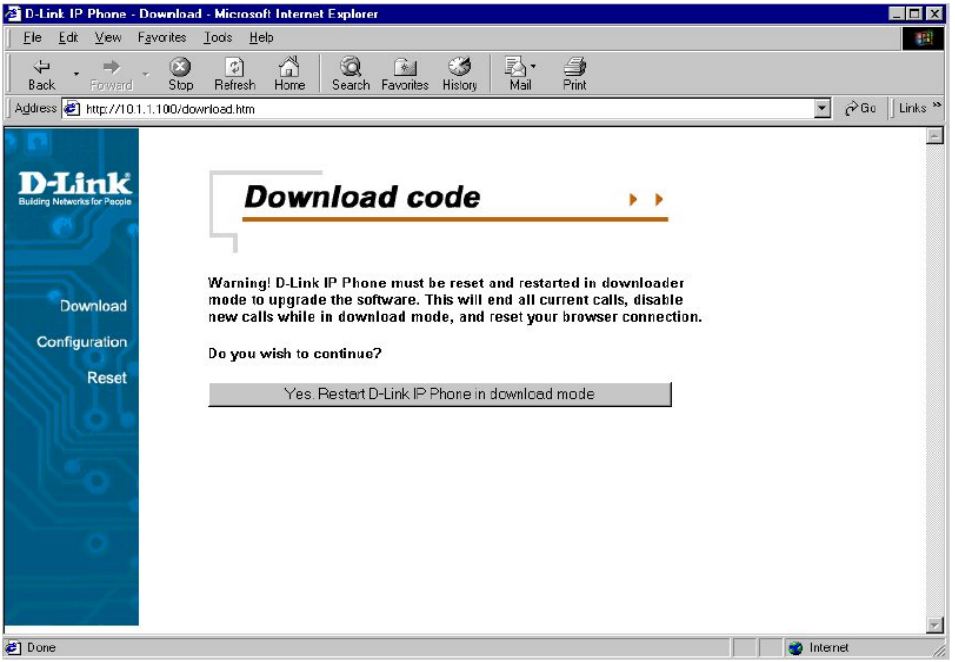
Configuring the Phone Using a Web Browser



SNMP Configuration Page

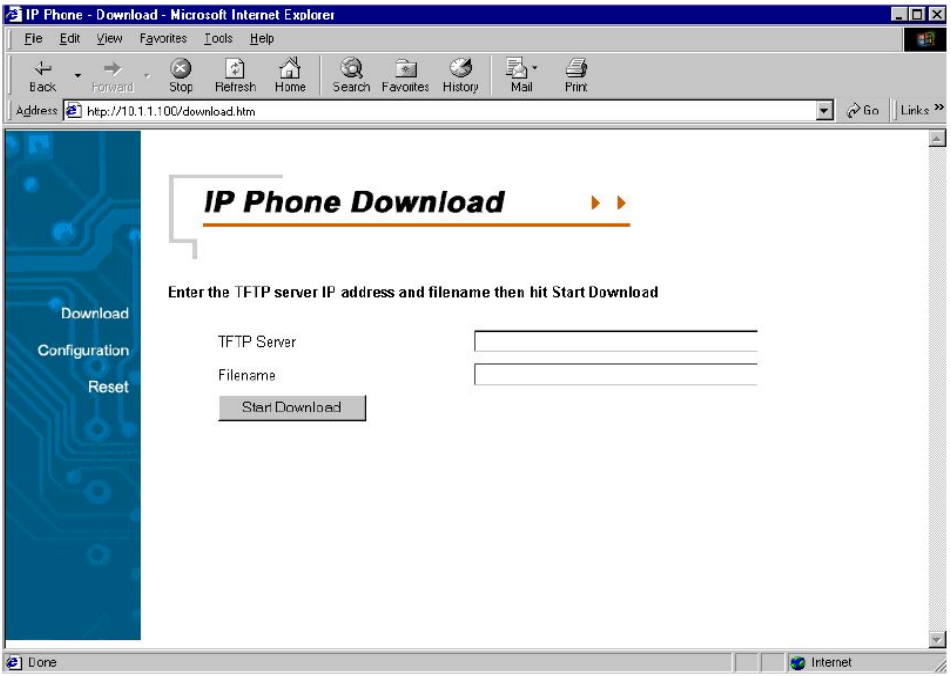
- **Trap Configuration:** Enter the Trap server IP address and the community name of the trap manager.
- **SNMP Community Configuration:** Enter the community string for access right.
- **SNMP System Configuration:** Enter the system description and interface description.

Note: Please contact your VoIP Service Provider for detailed information.


D-Link IP Phone - Download - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Address http://10.1.1.100/download.htm
Go Links
D-Link
Building Networks for People
Download
Configuration
Reset
Download code
Warning! D-Link IP Phone must be reset and restarted in downloader mode to upgrade the software. This will end all current calls, disable new calls while in download mode, and reset your browser connection.
Do you wish to continue?
Yes. Restart D-Link IP Phone in download mode
Done
Internet

Download Page

This page is used to upgrade the phone's MGCP application software image. When you click this page's single button, you will be taken to the TFTP download page, and the phone will be restarted in download mode (see below for details).



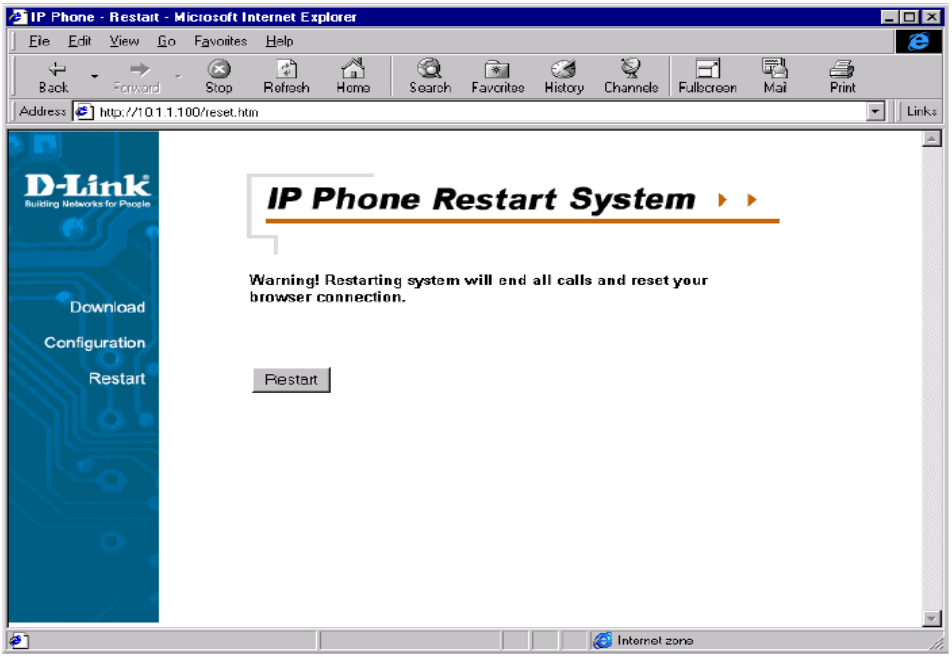
TFTP Download Page

This is the TFTP download page. Both of the input boxes on this page must be filled in for the TFTP download function to work.

- **TFTP Server:** This is the IP address of the TFTP server where the application software image (also known as the “runtime file”) is located.
- **Filename:** This is the complete name, including the path, of the runtime image file on your TFTP server that is to be downloaded to the device.

Fill in the IP address of your TFTP server and the full path and name of the software image file to be downloaded to the phone. Click Start Download to make the phone request the file from the server. When the download is finished, click the Reset button on the Reset page.

Note: Please contact your VoIP Service Provider for detailed information.


IP Phone - Restart - Microsoft Internet Explorer
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print
Address http://10.1.1.100/reset.htm
Links
D-Link
Building Networks for People
Download
Configuration
Restart
IP Phone Restart System
Warning! Restarting system will end all calls and reset your browser connection.
Restart
Internet zone

Reset Page

This is the IP phone reset system web page. You can reset the IP phone device through the web browser by clicking the "**Reset"** button.

Configuring the Phone Using the Keypad and LCD

After power is applied, the LCD panel will display the time on the first line and the phone's name on the second line. To configure the phone, press the **Function** button, enter the password if one is set, and then press the **Enter** key. (The default password is Null <Empty>.) After successful password authentication, menu names will be displayed on the LCD panel, and you can step through them by pressing **Review** ▼or ▲. Press the **Enter** button to access the named menu and modify the settings in it; press the **ESC** button to exit any menu but the main menu. The Function menu is hierarchical and similar to the Web page configuration, as shown below.

Configuration

Configuring the Phone Using the Keypad and LCD

Main Menu	Sub-Menu		
Password			
	<Enter Password>	<Enter number>	<1~8 digits>
IP Configuration			
	DHCP	<Enter↓↑ # *>	
	Fixed IP Address	IP Address	<Enter a.b.c.d>
		Subnet Mask	<Enter a.b.c.d>
		Gateway IP	<Enter a.b.c.d>
		DNS Server IP	<Enter a.b.c.d>
		DNS Host	<Enter a.b.c.d>
		DNS Domain	<Enter a.b.c.d>
Security Configuration			
	New Password	<Enter number>	<1~8 digits>
	Confirm Password	<Enter number>	<1~8 digits>
MGCP Configuration			
	Endpoint Name	<Enter string>	
	Call Agent IP	<Enter a.b.c.d>	
	Call Agent Port	<Enter number>	<Default: 2427>

Codec Configuration			
	None (Use default G.711codec)	<Enter>	
	G.723(G.711+G.723)	<Enter>	
	G.729(G.711+G.729)	<Enter>	
Clock Configuration			
	NTP Server address	<Enter a.b.c.d>	
	Time Zone	<Enter ↓↑ # *>	
	Daylight Saving	Enable	<Enter ↓↑ # *>
		Disable	<Enter ↓↑ # *>

After changing the settings, press "**MEMO**" to store the changes in the phone's non-volatile memory, or the changes will disappear after a power reset.

Note: The key buttons behave as shown below only when the configuration menu is active.

(To activate the keypad configuration menu, press button <**FUNCTION**>.)

- **FUNCTION:** Inactivates the configuration menu.
- **MEMO:** Stores the configuration back to the Flash.
- **FLASH:** Clears user input string and resets the cursor to the beginning.
- **DELETE:** Deletes user input character; same as <Back Space>.
- **REVIEW▲ :** Scrolls menu items or option items.
- **Enter <#>:** Goes to the submenu or confirms user input.
- **ESC <*>:** Return to the upper menu or to ignore user input.

Additional Features

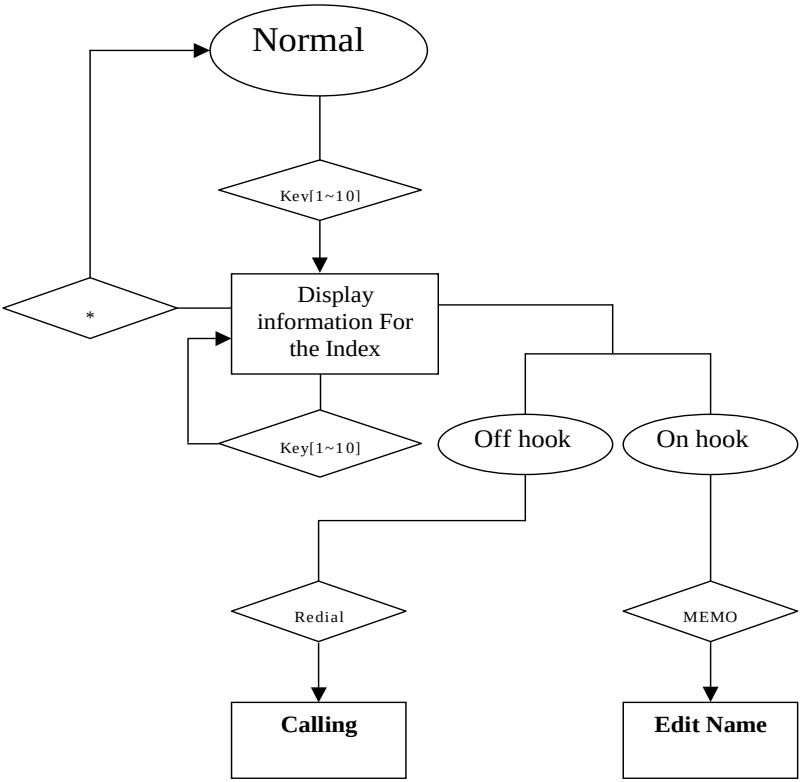
Redial

- The IP phone remembers the last phone number dialed.
- To dial the same number again, take the handset off the hook or press the **SPEAKER PHONE** button, listen for a dial tone, and then press the **REDIAL** button.

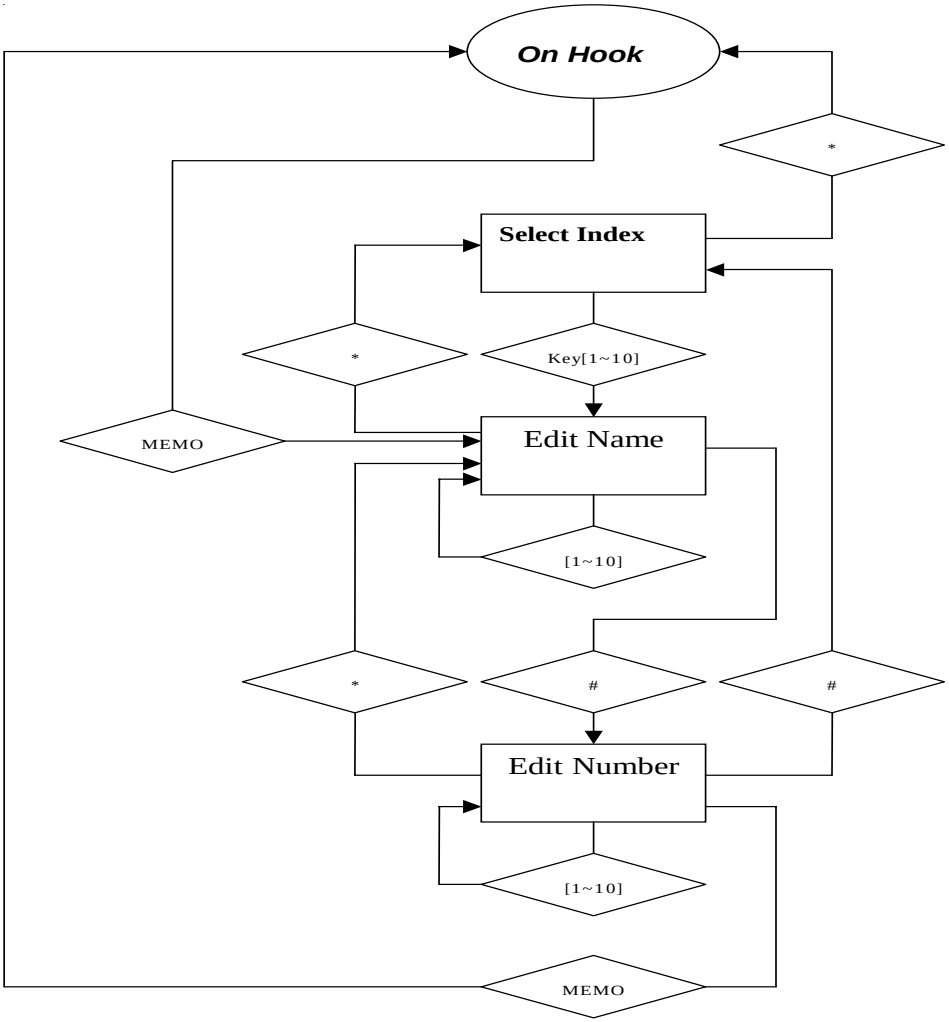
Memo

- Allows you to edit the names and numbers of the Speed Dial & Address Book.
- Edit Speed Dial Address Book And Make a Call via Speed Dial:

Making a Call via Speed Dial



Editing Speed Dial Addresses



Additional Features

Mute

- Disables the voice packet transmission to the phone's network interface.
- To enable/disable MUTE, press the **MUTE** button during a call.

Flash

- Flash to transfer the call.
- To transfer the call, simply press the **FLASH** button.

Hold

- Press the **HOLD** button to hold a call and press it again to release.

Speakerphone

- Use to dial or talk without picking up the handset.
- To take advantage of the speakerphone, first press the **Speaker Phone** button and make sure the IN USE LED lights up.
- Next, enter the destination phone number via the dialing pad.
- Press the **Speaker Phone** button again when finished with the call.

Technical Specifications

Call Control Protocols Compliance

- MGCP, H.323

Internet Protocol Compliance

- TCP/IP, UDP, ARP, TFTP, ICMP, Telnet, HTTP

Available Audio Compression Schemes

- G.711 µ-law, G.711 A-law, G.723, G.729

Single Format: DTMF

- Echo Cancellation: G.165
- DTMF tone detection/generation

IEEE 802.3 10BASE-T Ethernet compliant

IEEE 802.3u 100BASE-TX Ethernet compliant

LEDs

- LAN: 10/100M, Link/Act
- PC: 10/100M, Link/Act

Dimensions

- 162 mm (W) x 223 mm (D) x 82 mm (H)

Number of Ports

- Two RJ-45 Ports:

  PC: NWay 10/100BASE-TX Fast Ethernet port (MDI-X)

  LAN: NWay 10/100BASE-TX Fast Ethernet port (MDI-II)

Power Supply

- AC-to-DC power adapter (provided)
- DC Input: 12VDC/1A

Technical Specifications

Operating Temperature

- 0 - 50 °C

Storage Temperature

- -10 - 55 °C

Humidity

- 5% - 95% non-condensing

Safety

- UL/CUL

Emission (EMI)

- FCC Class B
- CE Class B

D-Link®
Building Networks for People

Limited Warranty
(USA Only)

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. ("D-Link") provides this Limited warranty for its product only to the person or entity that originally purchased the product from:

- D-Link or its authorized reseller or distributor and
- Products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, addresses with an APO or FPO.

Limited Warranty: D-Link warrants that the hardware portion of the D-Link products described below will be free from material defects in workmanship and materials from the date of original retail purchase of the product, for the period set forth below applicable to the product type ("Warranty Period"), except as otherwise stated herein.

1-Year Limited Warranty for the Product(s) is defined as follows:

- Hardware (excluding power supplies and fans) One (1) Year
- Power Supplies and Fans One (1) Year
- Spare parts and spare kits Ninety (90) days

D-Link's sole obligation shall be to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund at D-Link's sole discretion. Such repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement Hardware need not be new or have an identical make, model or part. D-Link may in its sole discretion replace the defective Hardware (or any part thereof) with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement Hardware will be warranted for the remainder of the original Warranty Period from the date of original retail purchase. If a material defect is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to repair or replace the defective Hardware, the price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware (or part thereof) that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Limited Software Warranty: D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90) days ("Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. D-Link's sole obligation shall be to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund at D-Link's sole discretion. Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software. Software will be warranted for the remainder of the original Warranty Period from the date or original retail purchase. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by D-Link; provided that the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

Non-Applicability of Warranty: The Limited Warranty provided hereunder for hardware and software of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

Submitting A Claim: The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same.
- The original product owner must obtain a Return Material Authorization ("RMA") number from the Authorized D-Link Service Office and, if requested, provide written proof of purchase of the product (such as a copy of the dated purchase invoice for the product) before the warranty service is provided.
- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the Product and will not ship back any accessories.
- The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery ("COD") is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to **D-Link Systems, Inc., 17595 Mt. Herrmann, Fountain Valley, CA 92708**. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link, with shipping charges prepaid. Expedited shipping is available if shipping charges are prepaid by the customer and upon request.

D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link's reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.

What Is Not Covered: This limited warranty provided by D-Link does not cover: Products, if in D-Link's judgment, have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; Initial installation, installation and removal of the product for repair, and shipping costs; Operational adjustments covered in the operating manual for the product, and normal maintenance; Damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; Any hardware, software, firmware or other products or services provided by anyone other than D-Link; Products that have been purchased from inventory clearance or liquidation sales or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product. Repair by anyone other than D-Link or an Authorized D-Link Service Office will void this Warranty.

Disclaimer of Other Warranties: EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THE PRODUCT IS PROVIDED "AS-IS" WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANY TERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO NINETY (90) DAYS. EXCEPT AS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRE RISK AS TO THE QUALITY, SELECTION AND PERFORMANCE OF THE PRODUCT IS WITH THE PURCHASER OF THE PRODUCT.

Limitation of Liability: TO THE MAXIMUM EXTENT PERMITTED BY LAW, D-LINK IS NOT LIABLE UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE OR DAMAGES OF ANY CHARACTER, WHETHER DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF GOODWILL, LOSS OF REVENUE OR PROFIT, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, FAILURE OF OTHER EQUIPMENT OR COMPUTER PROGRAMS TO WHICH D-LINK'S PRODUCT IS CONNECTED WITH, LOSS OF INFORMATION OR DATA CONTAINED IN, STORED ON, OR INTEGRATED WITH ANY PRODUCT RETURNED TO D-LINK FOR WARRANTY SERVICE) RESULTING FROM THE USE OF THE PRODUCT, RELATING TO WARRANTY SERVICE, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY, EVEN IF D-LINK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SOLE REMEDY FOR A BREACH OF THE FOREGOING LIMITED WARRANTY IS

REPAIR, REPLACEMENT OR REFUND OF THE DEFECTIVE OR NON-CONFORMING PRODUCT. THE MAXIMUM LIABILITY OF D-LINK UNDER THIS WARRANTY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT COVERED BY THE WARRANTY. THE FOREGOING EXPRESS WRITTEN WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ANY OTHER WARRANTIES OR REMEDIES, EXPRESS, IMPLIED OR STATUTORY

Governing Law: This Limited Warranty shall be governed by the laws of the State of California. Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the foregoing limitations and exclusions may not apply. This limited warranty provides specific legal rights and the product owner may also have other rights which vary from state to state.

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CE Mark Warning: This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures**:**

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For detailed warranty outside the United States, please contact corresponding local D-Link office.

Registration

Register online your D-Link product at http://support.dlink.com/register/

Technical Support

You can find software updates and user documentation on the D-Link website.

D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product.

U.S. and Canadian customers can contact D-Link technical support through our website, or by phone.

Tech Support for customers within the United States:

D-Link Technical Support over the Telephone:
(877) 453-5465
24 hours a day, seven days a week.

D-Link Technical Support over the Internet:
http://support.dlink.com
email:support@dlink.com

Tech Support for customers within Canada:

D-Link Technical Support over the Telephone:
(800) 361-5265
Monday to Friday 7:30am to 12:00am EST

D-Link Technical Support over the Internet:
http://support.dlink.ca
email:support@dlink.ca